

In the Attorney Docket No.:

Please replace old attorney docket number "09785980-0021" with new attorney docket number --0190118--.

O.K. to enter

In the Claims:

Please add the following new claims:

59. (New) A sensor, comprising:

a transistor having a source, a drain, and a gate located partially over the source and partially over the drain, the gate having a p-type gate region and an n-type gate region;

✓ a well region formed to contain one of the source and the drain and to extend partially beneath the gate, wherein the well region is a p-type material and the well region extends a length of the n-type gate region; and

a detection device coupled to the drain by a signal path.

60. (New) The sensor of claim 59, further comprising an implant region located in the drain extending under the p-type region of the gate such that the drain is not in direct contact with the gate.